

Title (en)
MACHINE FOR REMOVING AND FITTING WHEEL TYRES FOR VEHICLES

Title (de)
MASCHINE ZUM ABNEHMEN UND ANBRINGEN VON RADREIFEN FÜR FAHRZEUGE

Title (fr)
MACHINE DESTINÉE À MONTER ET À DÉMONTER DES PNEUS DE ROUES DE VÉHICULES

Publication
EP 2995478 A3 20160713 (EN)

Application
EP 15184081 A 20150907

Priority
IT MO20140255 A 20140912

Abstract (en)
[origin: EP2995478A2] The machine (1) for removing and fitting wheel tyres for vehicles comprises a bearing structure (2), clamping means (5) of a rim (C) of a wheel (R) for vehicles, associated with the bearing structure (2) and rotatable around a first axis of rotation (X1), a tool-carrying arm (6) associated movable with the bearing structure (2) and having a removing/fitting tool (7) of a tyre (P) from/onto the rim (C), an auxiliary arm (8) having a bead pressing tool (9, 10) able to facilitate the removing/fitting operations of the tyre (P) from/onto the rim (C), wherein the auxiliary arm (8) is associated rotatable with the bearing structure (2) around a second axis of rotation (X2) substantially parallel to the first axis of rotation (X1), in correspondence of a hinging point (14) arranged above with respect to a resting plane of the rim (C) defined by the clamping means (5), and wherein the auxiliary arm (8) can be positioned between a work position, wherein the bead pressing tool (9, 10) is able to be engaged on a portion of the tyre (P), and a rest position, wherein the auxiliary arm (8) is retracted and substantially spaced from the clamping means (5), and wherein the machine (1) comprises automatic positioning means (20) of the auxiliary arm (8) in the rest position.

IPC 8 full level
B60C 25/138 (2006.01); **B60C 25/05** (2006.01)

CPC (source: EP US)
B60C 25/0551 (2013.01 - EP US); **B60C 25/0572** (2013.01 - EP US); **B60C 25/138** (2013.01 - EP US)

Citation (search report)
• [XDYI] US 8783326 B1 20140722 - VANINGER MICAH NATHAN [US], et al
• [YD] EP 2756969 A1 20140723 - GIULIANO GROUP SPA [IT]
• [Y] US 2012222823 A1 20120906 - MIMURA YOSHIO [JP]

Cited by
ITUA20163765A1; EP3659832A1; IT201800010722A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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EP 2995478 A2 20160316; EP 2995478 A3 20160713; EP 2995478 B1 20180725; CN 105415988 A 20160323; CN 105415988 B 20171024; US 2016075195 A1 20160317; US 9944136 B2 20180417

DOCDB simple family (application)
EP 15184081 A 20150907; CN 201510583805 A 20150914; US 201514848425 A 20150909